

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. MSQ01-002-CIP-US	Serial No. 10/614,370
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Neil D. H. Raven	
	Filing Date: July 8, 2003	Group: 1651

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
Dea	D1	Daniel, R.M., et al., "Thermostable Proteases", Biotechnology and Genetic Engineering Reviews, vol. 13, pp. 51-100, (1995).
	D2	Information in support of Notice of Opposition, against corresponding Australian Application, pp. 1-9, October 14, 2005.
	D2	Information in support of Notice of Opposition, Amended, against corresponding Australian Application, pp. 1-17, March 23, 2006.
	D4	McKinley, M.P., et al., "A protease-resistant protein is a structural component of the scrapie prion", Cell, vol. 35, pp. 57-62, (1983).
	D5	McLeod, A.H., et al., "Proteolytic inactivation of the bovine spongiform encephalopathy agent", Biochemical and Biophysical Research Communications, vol. 317, pp. 1165-1170, (2004).
	D6	Notice of Opposition to a European Patent, against corresponding European application, pp. 1-5, January 9, 2006.
	D7	Opposition to European Patent No 1 360 282 (corresponding European application), pp. 1-25, January 9, 2006.
	D8	Peterson, M.E., et al., "A new intrinsic thermal parameter for enzymes reveals true temperature optima", The Journal of Biological Chemistry, vol. 279, no. 20, Issue of May 14, pp. 20717-20722, (2004).
	D9	Product Description, "Protease (Proteinase K)", Active Motif, <a href="http://www.activemotif.com/catalog/molecular_biology/mtrap/components">http://www.activemotif.com/catalog/molecular_biology/mtrap/components</a> , 1 page, (2002).
	D10	Product Description, "Proteinase K", Worthington Biochemical Corporation, <a href="http://www.worthington-biochem.com/PROK/default.html">http://www.worthington-biochem.com/PROK/default.html</a> , 4 pages, (publication date unknown).
	D11	Prusiner, S.B., et al., "Purification and structural studies of a major scrapie prion protein", Cell, vol. 38, pp. 127-134, (1984).
	D12	Prusiner, S.B., et al., "Scrapie agent contains a hydrophobic protein", Proc. Natl. Acad. Sci. USA, Biochemistry, vol. 78, no. 11, pp. 6675-6679, (1981).
	D13	Prusiner, S.B., et al., "Scrapie prions aggregate to form amyloid-like birefringent rods", Cell, vol. 35, pp. 349-358, (1983).
	D14	Prusiner, S.B., et al., "Thiocyanate and hydroxyl ions inactivate the scrapie agent", Proc. Natl. Acad. Sci. USA, Microbiology, vol. 78, no. 7, pp. 4606-4610, (1981).
	D15	Prusiner, S.B., et al., "Electrophoretic properties of the scrapie agent in agarose gels", Proc. Natl. Acad. Sci. USA, Microbiology, vol. 77, no. 5, pp. 2984-2988, (1980).
	D16	Statutory Declaration of Victoria Alice Lawson, cited during opposition against corresponding European Patent Application, pp. 1-63, December 13, 2005.
	D17	Statutory Declaration of Ronald Peter Weinberger cited during opposition against corresponding European Patent Application, pp. 1-46, December 16, 2005.
	D18	Statutory Declaration of Khawar Sohail Siddiqui cited during opposition against corresponding European Patent Application, pp. 1-45, November 29, 2005.
	D19	Taylor, D.M., "Inactivation of transmissible degenerative encephalopathy agents: A review", The Veterinary Journal, vol. 159, no. 1, pp. 10-17, (2000).
	Dea	D20

Examiner <i>Debra K. Way</i>	Date Considered <i>6-19-06</i>
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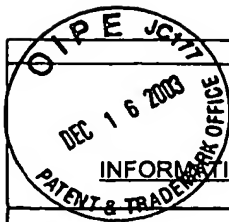
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<i>DKW</i>	B1	O'Donohue, MJ., et al., "Cloning and expression in Bacillus subtilis of the npr gene from Bacillus thermoproteolyticus Rokko coding for the thermostable metalloprotease thermolysin", Biochem J., vol. 300, Pt. 2, pp. 599-603, June 1994. (abstract)
<i>DKW</i>	B2	Hicke, PM., et al., "Homooligomeric protease in the hyperthermophilic bacterium Thermotoga maritima has structural and amino acid sequence homology to bacteriocins in mesophilic bacteria", FEBS Lett., vol. 440, no. 3., pp. 393-8, Dec. 1998. (abstract)
<i>DKW</i>	B3	Sakamoto, S., et al., "Expression of aqualysin I (a thermophilic protease) in soluble form in Escherichia coli under a bacteriophage T7 promoter", Biosci Biotechnol Biochem., vol. 59, no. 8, pp. 1438-43, Aug. 1995. (abstract)

Examiner <i>John H. Way</i>	Date Considered <i>6-15-06</i>
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FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1581.0990001/RWE/VSRAPPLICATION NO.  
10/614,370FIRST NAMED INVENTOR  
RAVEN *et al.*FILING DATE  
July 8, 2003ART UNIT  
To be assigned

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1						
	AB1						
	AC1						
	AD1						
	AE1						
	AF1						
	AG1						
	AH1						
	AI1						
	AJ1						
	AK1						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
<i>Alan</i>	AO1	WO 02/083082	10/24/02	WIPO			Yes No
	AP1						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	
	AS	1	
	AT	1	

EXAMINER

*Delbert K. Niles*

DATE CONSIDERED

*6-19-06*

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<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b>	ATTY. DOCKET NO. 1581.0990001/RWE	APPLICATION NO. To Be Assigned
	APPLICANT Raven et al.	
	FILING DATE Herewith	GROUP To Be Assigned

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>DEW</i>	AA1	4,597,762	07/01/1986	Walter et al.			11/10/1981
<i>DEW</i>	AB1	4,614,549	09/30/1986	Ogunbiyi et al.			01/09/1985
<i>DEW</i>	AC1	5,192,677	03/09/1993	Kinsella et al.			06/11/1991
<i>DEW</i>	AD1	5,223,166	06/29/1993	Disch et al.			11/26/1990
<i>DEW</i>	AE1	5,234,832	08/10/1993	Disch et al.			05/17/1989
<i>DEW</i>	AF1	5,810,944	09/22/1998	Smilkowski et al.			PCT Filed: 02/26/1996 371 Date: 10/29/1996
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	AK						

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>DEW</i>	AL1	WO 90/02562	03/22/1990	WIPO			Yes No
<i>DEW</i>	AM1	WO 97/28192	08/07/1997	WIPO			Yes No
<i>DEW</i>	AN1	DE 197 30 132 A1	02/11/1999	Germany			Yes X No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>DEW</i>	AR	1	Buschmann, A., et al., "Cellular Prion Proteins of Mammalian Species Display an Intrinsic Partial Proteinase K Resistance," <i>Biochem. Biophys. Res. Comm.</i> 253:693-702, Academic Press (1998)
<i>DEW</i>	AS	1	Kellershohn, N. and Laurent, M., "Species barrier in prion diseases: a kinetic interpretation based on the conformational adaption of the prion protein," <i>Biochem. J.</i> 334:539-545, Portland Press on behalf of the Biochemical Society (1998)
<i>DEW</i>	AT	1	Perrett, S., et al., "Equilibrium Folding Properties of the Yeast Prion Protein Determinant Ure2," <i>J. Mol. Biol.</i> 290:331-345, Academic Press (1999)

EXAMINER <i>Deborah K. Way</i>	DATE CONSIDERED 6-19-06
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Draw	AR	2	Taylor, D.M., "Inactivation of Transmissible Degenerative Encephalopathy Agents: A Review," Vet. J. 159:10-17, Harcourt Publishers Ltd. (January 2000)
Draw	AS	2	Warwicker, J., "Species Barriers in a Model for Specific Prion Protein Dimerisation," Biochem. Biophys. Res. Comm. 232:508-512, Academic Press (1997)
Draw	AT	2	International Search Report for International Patent Application No. PCT/GB02/00052, mailed October 16, 2002

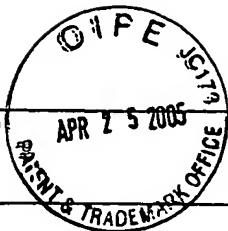
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*Deborah E. Wain*

DATE CONSIDERED

6-19-06

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<i>Dea</i>	C1	Prusiner, Stanley B., et al., "Purification and Structural Studies of a Major Scrapie Prion Protein" Cell., vol. 38, pp.127 - 134, Aug. 1984.
<i>Dea</i>	C2	"Protease (Proteinase K) product description" Active Motif product profiles., <a href="http://www.activemotif.com/downloads/manual_pdfs/29012_Protease.pdf">http://www.activemotif.com/downloads/manual_pdfs/29012_Protease.pdf</a> , file creation date March 8, 2002.

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